

CLAIMS

What is claimed is:

1. A method for providing information to a force feedback device to generate a force signal for creating a feel sensation upon a user of said force feedback device, the method comprising:

providing a set of control parameters defining characteristics for said feel sensation, said control parameters including at least one of a steady-state magnitude value, a frequency value, and a duration value, said steady-state magnitude value representing a steady-state magnitude of said feel sensation, said frequency value representing a frequency of said feel sensation, and said duration value representing a duration of said feel sensation; and

providing a set of impulse parameters, including:

an impulse value, said impulse value specifying an impulse force level of said feel sensation applied to said user, said impulse force level being different than said steady-state magnitude; and

a settle time, said settle time representing a time required for a magnitude of said force signal to change from said impulse force level to said steady-state magnitude,

wherein said set of control parameters and said set of impulse parameters are provided to a force feedback device, said force feedback device forming, using a processor, said force signal from said control parameters and said impulse parameters, said force signal being used to cause said feel sensation to be output.